

FIG. 1 is a block diagram of a system 30 for processing user speech input. The system 30 includes a user speech input 32, a speech recognition engine 34, recognition results 36, an understanding module 38, a dialogue control unit 46, and recognition results 48. The system 30 also includes a grammatical models database 40, a grammar database generator 42, and recognition assisting databases 44.

32 USER SPEECH INPUT

34 SPEECH RECOGNITION ENGINE

36 RECOGNITION RESULTS

38 UNDERSTANDING MODULE

46 DIALOGUE CONTROL UNIT

48 RECOGNITION RESULTS

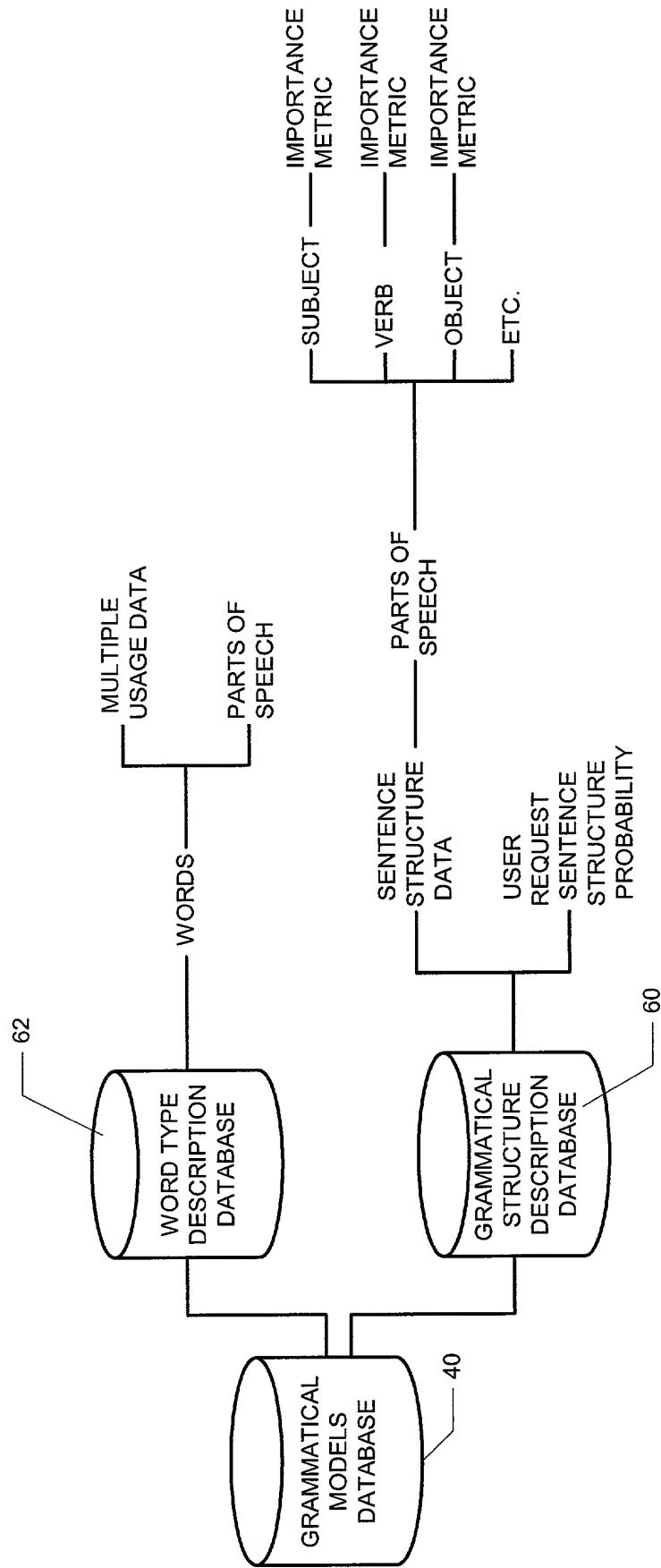
40 GRAMMATICAL MODELS DATABASE

42 GRAMMAR DATABASE GENERATOR

44 RECOGNITION ASSISTING DATABASES

FIG.1

FIG. 2



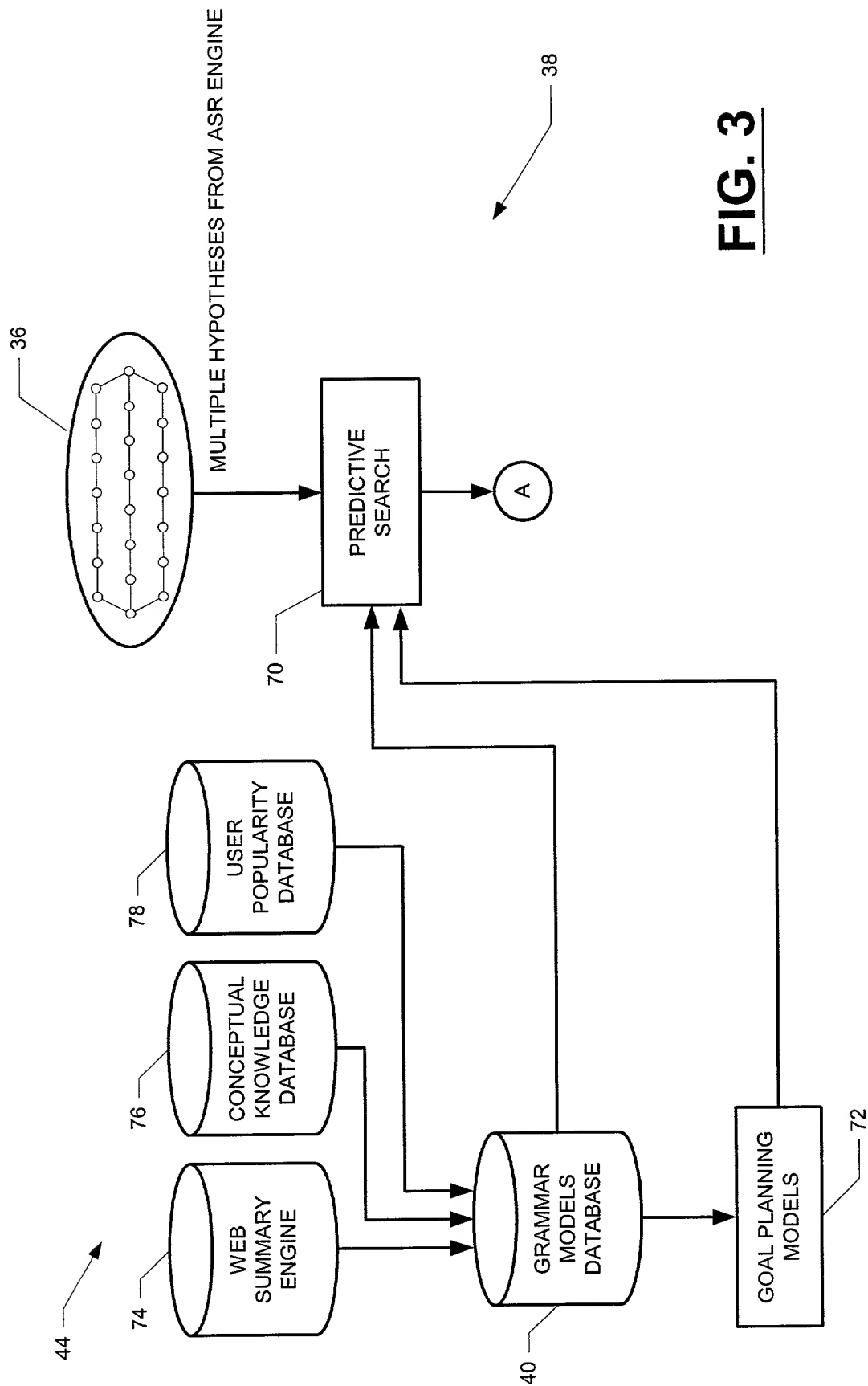


FIG. 3

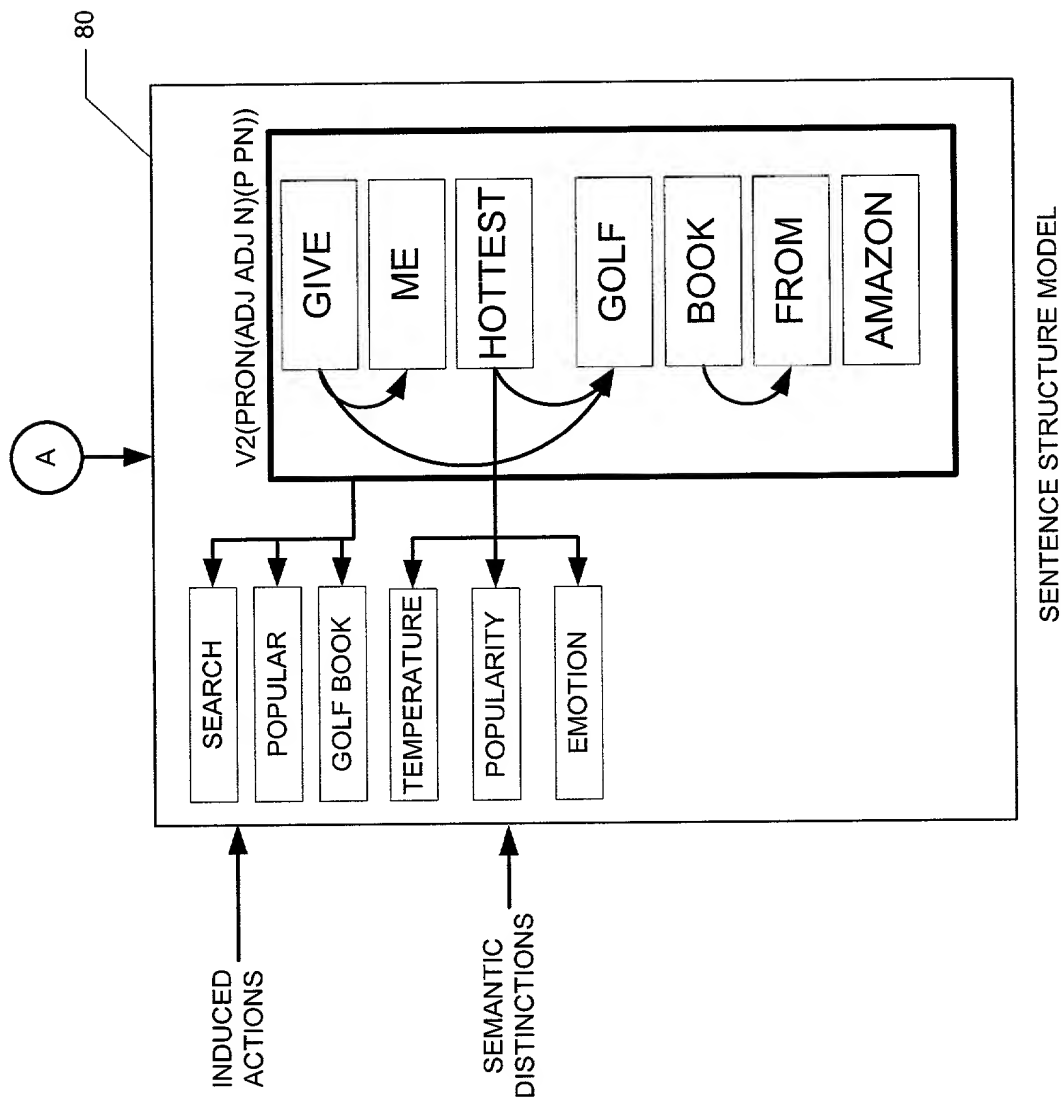


FIG. 4

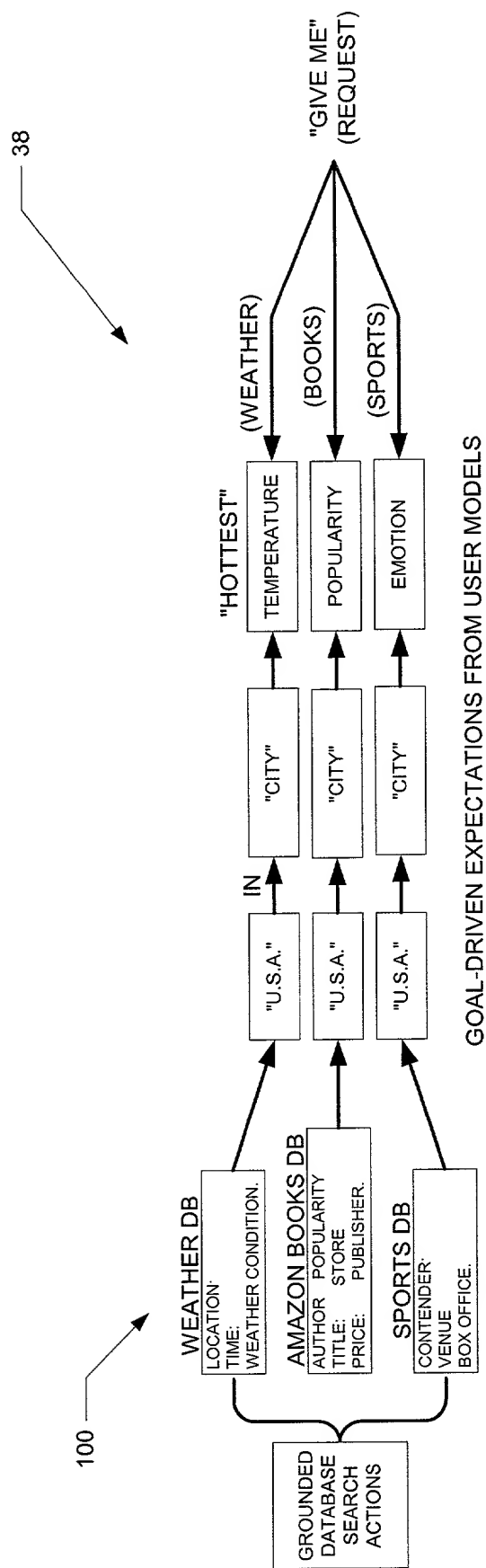


FIG. 5

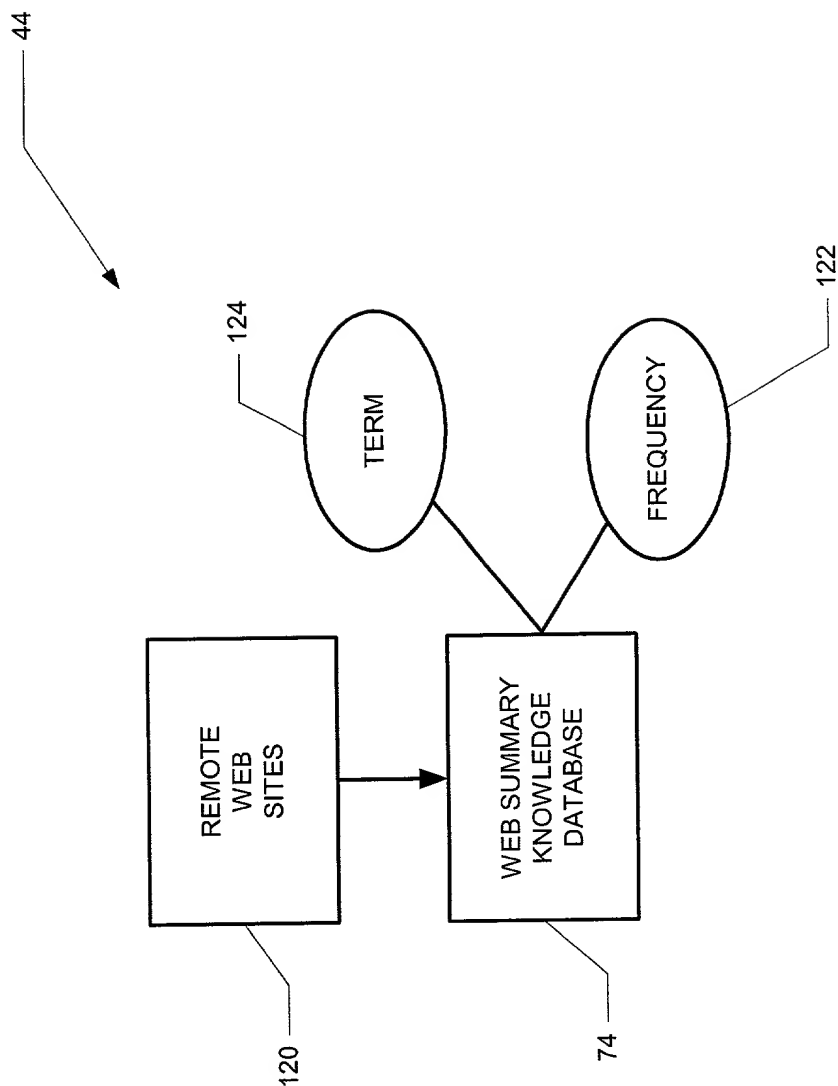


FIG. 6

FIG. 7 is a block diagram of a conceptual knowledge database unit 76, which is connected to a term meaning 130 and a semantic relations 132. The unit 76 is connected to a semantic (conceptual) relationship data box, which contains the following data:

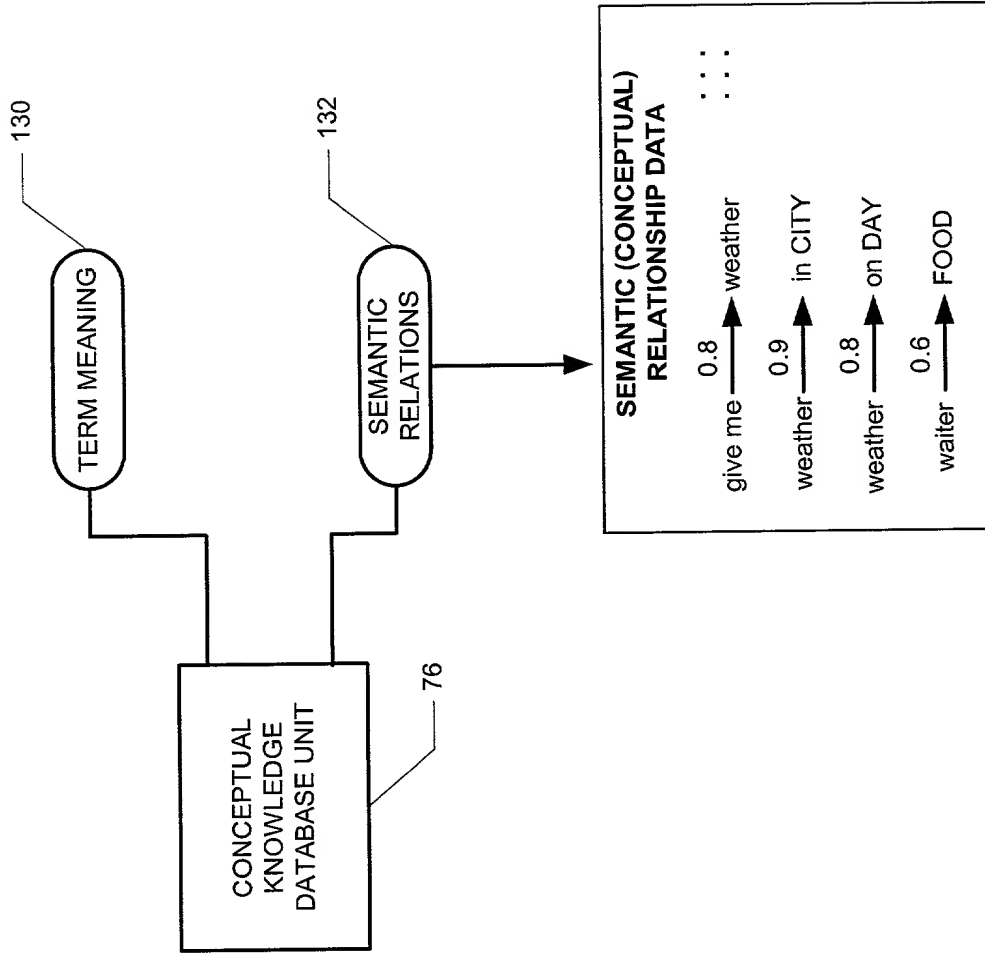


FIG. 7

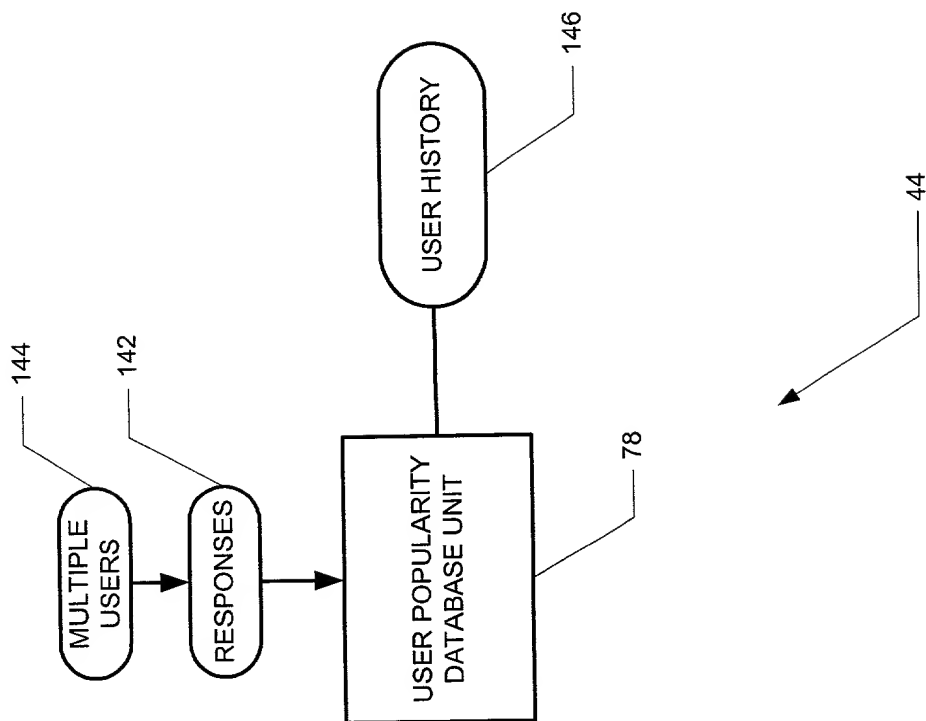


FIG. 8